

gon mirror and motor has a depth of no less than 0.2 mm and a width of no less than 0.5 mm.

11. An optical scanning-type touch panel comprising: an optical scanner for angularly scanning light in a plane substantially parallel to a predetermined region; and an optical transceiver for projecting light onto said optical scanner and receiving part of scanning light of said optical scanner; for measuring a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said optical transceiver that corresponds to a scanning angle, said optical scanning-type touch panel being characterized in that

said optical scanner and said optical transceiver are mounted on a single base body as one unit,

said optical transceiver comprises a light emitting element, a collimation lens for changing light from said light emitting element into parallel light and a lens holder for fixing said collimation lens, said lens holder having a groove running in a direction perpendicular to an optical axis, and

a collimate adjustment is performed by inserting a deflecting jig into said groove from a direction perpendicular to the optical axis and moving said lens holder in a direction parallel to the optical axis to make a fine adjustment to a distance between said light emitting element and said collimation lens.

12. The optical scanning-type touch panel as set forth in claim 11,

wherein, after the collimate adjustment, said lens holder is pressed by a plate spring from a direction which is perpendicular to the optical axis and also perpendicular to the deflecting jig, and further said plate spring is fixed with a detachable mounting member.

13. The optical scanning-type touch panel as set forth in claim 11,

wherein, after the collimate adjustment, said lens holder is pressed by a plate spring from a direction which is perpendicular to the optical axis and parallel to the deflecting jig, and further said plate spring is fixed with a detachable mounting member.

14. The optical scanning-type touch panel as set forth in claim 11,

wherein a section of said plate spring for fixing said lens holder, which comes into contact with said lens holder, is made wider in a concave shape.

15. The optical scanning-type touch panel as set forth in claim 11,

wherein a width of said plate spring for fixing said lens holder is larger than a width of said lens holder.

16. The optical scanning-type touch panel as set forth in claim 11,

wherein a washer having a diameter larger than a diameter of said mounting member is interposed between said plate spring for fixing said lens holder and said mounting member.

17. The optical scanning-type touch panel as set forth in claim 11,

wherein a section of said plate spring for fixing said lens holder, which comes into contact with said lens holder,

is made wider in a cross shape, and an end portion of the cross-shaped section is curved.

18. The optical scanning-type touch panel as set forth in claim 11,

wherein, when fixing said plate spring for fixing said lens holder, a fix portion of said plate spring, which is located distant from said lens holder, is fixed first, and a fix portion located close to said lens holder is fixed after the collimate adjustment.

19. The optical scanning-type touch panel as set forth in claim 11,

wherein, a ratio of distances from said lens holder to two fix portions of said plate spring for fixing said lens holder is not more than 1:3.

20. An optical scanning-type touch panel comprising: an optical scanner for angularly scanning light in a plane substantially parallel to a predetermined region; and an optical transceiver for projecting light onto said optical scanner and receiving part of scanning light of said optical scanner; for measuring a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said optical transceiver that corresponds to a scanning angle, said optical scanning-type touch panel being characterized in that

said optical scanner and said optical transceiver are mounted on a single base body as one unit,

said optical transceiver comprises a light emitting element and a light emitting element fixing substrate for fixing said light emitting element,

said light emitting element fixing substrate and said base body are brought in contact in a parallel manner to each other, and

a hole formed in said light emitting element fixing substrate for mounting said light emitting element fixing substrate on said base body and said light emitting element are arranged into a straight line.

21. The optical scanning-type touch panel as set forth in claim 20,

wherein said hole formed in said light emitting element fixing substrate and said light emitting element are aligned in a vertical direction or a direction perpendicular to the vertical direction.

22. An optical scanning-type touch panel comprising: an optical scanner for angularly scanning light in a plane substantially parallel to a predetermined region; and an optical transceiver for projecting light onto said optical scanner and receiving part of scanning light of said optical scanner; for measuring a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said optical transceiver that corresponds to a scanning angle, said optical scanning-type touch panel being characterized in that said optical scanner and said optical transceiver are mounted on a single base body as one unit,

said optical transceiver comprises a light emitting element and a light emitting element fixing substrate for fixing said light emitting element,

said light emitting element fixing substrate and said base body are brought in contact in a parallel manner to each other, and